

VectoBac[®] AS

BIOLOGICAL LARVICIDE

AQUEOUS SUSPENSION

Net Contents 10 Litres

Contains *Bacillus thuringiensis subsp israelensis serotype H14*, strain AM 65-52 - 11.61% w/w dry technical equivalent (123g/l) (biopotency 1200 ITU per mg).

Insecticide for Professional use for the control of mosquito and Black fly larvae in water where mosquito and Black fly breeding occurs.

DIRECTIONS FOR USE

USER: Professional

APPLICATION METHOD:

Spraying application: Pouring application with watering cans against black flies.

Mosquitoes: Ground application (portable pump pressure sprayer, motorised portable blower, vehicle mounted motorised sprayer equipment) or watering can.

Black flies / Simulium: Ground application (portable pump pressure sprayer, motorised portable blower, vehicle mounted motorised sprayer equipment) or watering can.

This product is approved under The EU Biocidal Products Regulator 01 2015 for use as directed.

Marketing Company:
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BATCH NUMBER:
USE BY:

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Valent BioSciences Corporation, Illinois 60048, U.S.A.

Producer:



Approval Holder:

Sumitomo
Chemical Agro Europe SAS
Parc D'Affaires De Crecy
2 Rue Claude Chappe
FR-69370
Saint Didier Au Mont D'Or, France

List no. 05605-27-02
04-9542/R1

STATUTORY CONDITIONS RELATING TO USE:

APPLICATION RATES:

Mosquitoes: For the Control of *Culicidae* (genus *Aedes* spp, *Anopheles* spp and *Culex* spp).

0.25 - 2.5 L/ha

Low infestation: 0.25-1.5 L/ha

High infestation: 1.5-2.5 L/ha

The product is applied undiluted or diluted in a volume of water varying until 1000 L, according to the application equipment.

The dose rates may depend on the population density and water quality. The lowest dose rates provide adequate control of 1st through early 4th instar larvae. In cases of predominance of 4th instar larvae, high population densities, water containing high levels of organic matter, colder temperature, and/ or significant water exchange, higher rates should be used to provide good control of mosquitoes.

Time to effect (mosquitoes): 24H after application.

Black flies/Simulium: For the Control of *Simuliidae* – Simulies (black flies, *Simulium* spp)

0.5 - 40 ppm/min or 0.05 - 4 ppm / 10 min

The product is applied undiluted or diluted in a volume of water varying between 0 and 1000 L, according to the application equipment.

The concentration of application in water is correlated to the features of each stream (flow speed, flow, turbidity, temperature,).

The higher rate is used when the river or stream contains a high concentration of organic material, silt, planktonic algae, salts, dense aquatic vegetation and / or where increased carry is desired in order to achieve efficiencies.

Time to effect (black flies): 4-24H after application.

Do not exceed 8 applications with an interval of at least 10 days between two applications.

FOR USE ONLY BY PROFESSIONAL OPERATORS:

Contains *Bacillus thuringiensis*, microorganisms may have a potential to provoke sensitising reactions.

Wear protective chemical resistant gloves (synthetic rubber/PVC) coveralls, goggles and respiratory equipment (disposable filtering face piece respirator to at least EN149 FFP3 or equivalent) during mixing, loading and ground application phases.

Avoid contact with skin, eyes and respiratory tract.

Do not eat, drink or smoke during application and until your hands have been washed.

To avoid risks to human health and the environment, comply with the instructions for use.

Instructions for safe disposal of the product and its packaging:

Dispose of unused product, its packaging all other waste in accordance with local regulations.

Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets...) nor down the drains.

Storage conditions:

- Do not store at a temperature above 20°C for 12 months and above 15°C for 18 months.

- VECTOBAC AS should be stored only in sealed original containers.

- The formulation should be protected from light.

- The shelf life of the product: 18 months.

Other Information

The local office of the Environment Agency (in England and Wales) or the Scottish Environmental Protection Agency (SEPA) should be consulted before using this product.

When applying VECTOBAC 12AS to ecosystems of great value for biodiversity, e.g. Natura 2000, nature reserve etc., specific permission is required from all relevant authorities.

The COSHH (Control of Substances Hazardous to Health) Regulations 2002 (as amended) apply to the use of this product at work.

Users of the product should ensure that the testing complies with the Water Resources Act 1991 (as amended), as appropriate.

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